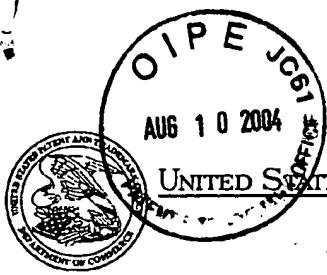


08/12/04

[FW]

Page 1 of 2



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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY.DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/803,352	03/18/2004	2881	1208	AM-4913.C1	9	30	6

CONFIRMATION NO. 5814

Patent Counsel  
Applied Materials, Inc.  
P.O. Box 450 A  
Santa Clara, CA 95052

FILING RECEIPT



\*OC000000012998450\*

Date Mailed: 06/21/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s) **Fernandez**

Andres Fernandez, Dublin, CA;  
Marian Mankos, San Francisco, CA;  
Jeffrey S. Sullivan, Berkeley, CA;  
Paul C. Allen, Beaverton, OR;

Domestic Priority data as claimed by applicant

This application is a CON of 10/055,869 01/22/2002  
which claims benefit of 60/265,272 01/31/2001

Foreign Applications

If Required, Foreign Filing License Granted: 06/18/2004

Projected Publication Date: To Be Determined - pending completion of Corrected Papers

Non-Publication Request: No

Early Publication Request: No

Title

Electron beam lithography system having improved electron gun

**Preliminary Class**

250

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**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



U.S. Express Mail No.: ED273489483US  
Attorney Docket No.: AM-4913.C1

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT:	Andres Fernandez et al.	§	Group Art Unit:	2881
		§	(Parent Application)	
SERIAL NO.:	10/803,352	§	Examiner:	B. E. Souw
FILED:	March 18, 2004	§	(Parent Application)	
FOR:	ELECTRON BEAM LITHOGRAPHY SYSTEM HAVING IMPROVED ELECTRON GUN	§	Docket No.:	AM-4913.C1

August 10, 2004

**REQUEST FOR CORRECTED FILING RECEIPT  
TRANSMITTAL LETTER**

**Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450**

Sir:

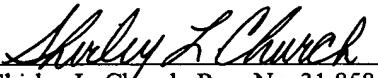
Transmitted herewith is a Request for Corrected Filing Receipt. Applicant does not believe that any fees are due in connection with the filing of this Request for Corrected Filing Receipt. However, if it should be determined otherwise, any fees dues in connection with the filing of this document should be charged to Deposit Account No. 50-1512 of Shirley L. Church, Sunnyvale, California.

---

**CERTIFICATE OF MAILING (37 CFR § 1.10)**

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below as U.S. Express Mail No. ED273489483US in an envelope addressed to the Office of Initial Patent Examination, Filing Receipt Corrections, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

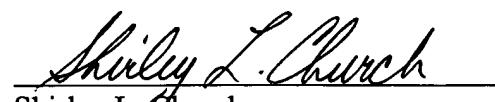
Date: August 10, 2004

  
Shirley L. Church, Reg. No. 31,858

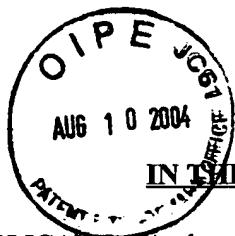
---

This transmittal letter is submitted in duplicate for accounting purposes.

Respectfully submitted,

  
Shirley L. Church  
Shirley L. Church  
Registration No. 31,858  
Attorney for Applicant  
(650) 473-9700

Correspondence Address:  
Patent Counsel  
Applied Materials, Inc.  
P.O. Box 450A  
Santa Clara, CA 95052



U.S. Express Mail No.: ED273489483US  
Attorney Docket No.: AM-4913.C1

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT:	Andres Fernandez et al.	§	Group Art Unit:	2881
		§	(Parent Application)	
SERIAL NO.:	10/803,352	§	Examiner:	B. E. Souw
FILED:	March 18, 2004	§	(Parent Application)	
FOR:	ELECTRON BEAM LITHOGRAPHY SYSTEM HAVING IMPROVED ELECTRON GUN	§	Docket No.:	AM-4913.C1

August 10, 2004

**REQUEST FOR CORRECTED FILING RECEIPT**

**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, Virginia 22313-1450**

Sir:

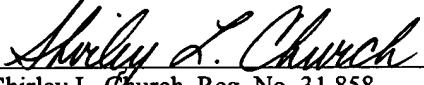
Applicant hereby requests a corrected Filing Receipt in the above-referenced patent application. The name of the principal inventor is spelled incorrectly on the original Filing Receipt. As shown on the application transmittal letter (a copy of which is enclosed), the correct spelling of the principal inventor's name is **Andres Fernandez** (not Andres Fernadez).

---

**CERTIFICATE OF MAILING (37 CFR § 1.10)**

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below as U.S. Express Mail No. EU627251865US in an envelope addressed to the Office of Initial Patent Examination, Filing Receipt Corrections, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: August 10, 2004

  
\_\_\_\_\_  
Shirley L. Church, Reg. No. 31,858

---

A copy of the original Filing Receipt with the changes indicated in red is enclosed. Please issue a corrected Filing Receipt, as requested above.

Respectfully submitted,

  
Shirley L. Church  
Shirley L. Church  
Registration No. 31,858  
Attorney for Applicant  
(650) 473-9700

Patent Counsel  
Applied Materials, Inc.  
P.O. Box 450A  
Santa Clara, CA 95052



U.S. Express Mail No.: ER534275303US  
Attorney Docket No.: AM-4913.C1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**PATENT APPLICATION TRANSMITTAL LETTER**

In Re Patent Application of:	)	Art Group: 2881
Andres Fernandez et al.	)	(Parent Application)
	)	
Application No.: Not Yet Assigned	)	Examiner: B. E. Souw
	)	(Parent Application)
Filing Date: March 18, 2004	)	
	)	
Title: ELECTRON BEAM LITHOGRAPHY	)	Attorney Docket No.:
SYSTEM HAVING IMPROVED	)	AM-4913.C1
ELECTRON GUN	)	
	)	

March 18, 2004

**CERTIFICATE OF MAILING UNDER 37 CFR § 1.10**  
**"U.S. EXPRESS MAIL" MAILING LABEL NUMBER : ER534275303US**

**DATE OF DEPOSIT: March 18, 2004**

I hereby certify that this application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 having the MAILING LABEL NUMBER referenced above, addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the DATE OF DEPOSIT referenced above.

Shirley L. Church \_\_\_\_\_ (Signature)  
By: Shirley L. Church, Reg. No. 31,858 \_\_\_\_\_ (Type Name)  
Signature Date: March 18, 2004

**CONTINUATION APPLICATION TRANSMITTAL LETTER**

**Mail Stop Patent Application**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

Applicant hereby files a [X] continuation [ ] divisional [ ] continuation-in-part application under 37 CFR § 1.53(b) of the prior complete application identified below.

**IDENTIFICATION OF PRIOR COMPLETE APPLICATION**

Title: As originally filed - ELECTRON BEAM LITHOGRAPHY SYSTEM HAVING  
IMPROVED ELECTRON GUN

U.S. Express Mail No.: ER534275303US  
Attorney Docket No.: AM-4913.C1

Pending Application Number: 10/055,869

Filing Date: January 22, 2002

Inventors: Andres Fernandez; Marian Mankos; Jeffrey S. Sullivan; Paul C. Allen

Enclosed is a copy of the original, first, prior complete application, including a copy of the oath or declaration showing the signature of the inventors. The enclosed papers are a true copy of the prior complete application as filed, including the specification, claims, drawings and signed oath or declaration, and any amendments referred to in the oath or declaration filed to complete the prior application.

## INVENTORS

1.  The inventors of the present application are the same as in the prior complete application.
2.  The inventor(s) of the present application have been changed to include the following named inventor(s): \_\_\_\_\_
  - a.  It is requested that the following persons be deleted as inventor(s) in the present application: \_\_\_\_\_
  - b.  The present application is a continuation-in-part of the prior complete application, and an oath or declaration as required under 37 CFR § 1.63 accompanies this paper.

## AMENDMENTS

3.  Enter the amendment previously filed under 37 CFR § 1.116, but unentered, in the prior application.
4.  A preliminary amendment is enclosed.
5.  Amend the specification by inserting before the first line the sentence: -- This application is a continuation application of U.S. Application Serial No. 10/055,869, filed January 22, 2002, which is presently pending, which claims priority to U.S. Provisional Application No. 60/265,272, filed January 31, 2001, which is abandoned.--
6.  The title in the present application is as follows: ELECTRON BEAM LITHOGRAPHY SYSTEM HAVING IMPROVED ELECTRON GUN.

**INTERNATIONAL PRIORITY**

7.  Priority of Application Serial No. \_\_\_\_\_, filed on \_\_\_\_\_, in \_\_\_\_\_ (country) is claimed under 35 USC § 119.
8.  The certified copy of the priority application:  
 is enclosed;  
 was filed on \_\_\_\_\_ in prior Application Serial No. \_\_\_\_\_; filed on \_\_\_\_\_;  
 has not yet been filed.

**PRIORITY UNDER 35 USC § 120**

9.  Applicants hereby claim priority under 35 USC § 120, wherein the priority applications are Serial No. 10/055,869 and U.S. Provisional Application No. 60/265,272.

**ATTORNEY OR AGENT OF RECORD**

10.  The power of attorney in the prior application is to: Peter J. Sgarbossa (Reg. No. 25,610); Donald Verplancken (Reg. No. 33,217); Lawrence Edelman (Reg. No. 25,225); Michael B. Einschlag (Reg. No. 29,301); Raymond Kam-On Kwong (Reg. No. 37,165); James C. Wilson (Reg. No. 35,412); Joseph Bach (Reg. No. 37,771); Robert W. Mulcahy (Reg. No. 25,436); Walter Benjamin Glenn (Reg. No. 44,713); and Greg Leitich (Reg. No. 39,745).

  - a.  The power appears in the original papers in the prior application.
  - b.  Since the power does not appear in the original papers, a copy of the power in the prior application is enclosed.

11.  A copy of the Declaration & Power of Attorney is enclosed.

**OTHER**

12.  Also enclosed: A copy of the assignment document in the parent application.
13.  Cancel in this application Claims \_\_\_\_\_ of the prior application before calculating the filing fee. (At least one independent claim must be retained for filing purposes.)
14.  Cancel in this application all claims of the prior application and substitute the claims contained in the attached Preliminary Amendment prior to calculating the filing fee.
15.  Add the additional claims in the attached Preliminary Amendment prior to calculating the filing fee.

**FEES DUE**

16.

CLAIMS					
	NO. OF CLAIMS		EXTRA CLAIMS	RATE	FEE
Basic Application Fee					\$ 770.00
Total Claims	30	MINUS 20 =	10	x \$18 =	\$ 180.00
Independent Claims	6	MINUS 3 =	3	x \$86 =	\$ 258.00
If multiple dependent claims are presented, add \$290.00					00.00
<b>TOTAL APPLICATION FEE DUE</b>					<b>\$ 1,208.00</b>

17.  A Petition for Extension of Time to respond to the outstanding official action in the prior application, up to and including the filing date of the present application, is enclosed, the fee for which is \$ \_\_\_\_\_.

18.  New drawings are enclosed ( formal  informal)

**PAYMENT OF FEES**

19. The full fee due in connection with this communication is \$ 1,208.00, and is provided as follows:

a.  Check No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ is enclosed.

b.  The Commissioner is hereby authorized to charge the filing fee of \$ 1,208.00, as well as any additional fees which may be due under 37 CFR § 1.16 and § 1.17, which are required by this paper, and to credit any overpayment, to Deposit Account No. 50-1074 of Applied Materials, Inc., Santa Clara, California.

This transmittal letter is submitted in duplicate.

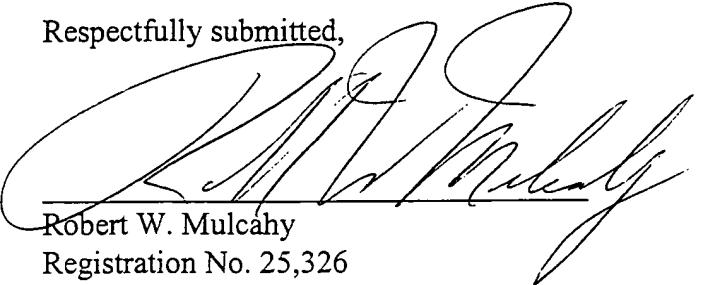
**CORRESPONDENCE ADDRESS**

Address all future communications to:

Patent Counsel  
Applied Materials, Inc.  
P.O. Box 450 A  
Santa Clara, California 95052

Express Mail No. ER534275303 US  
Attorney Docket No.: AM-4913.C1

Respectfully submitted,

  
Robert W. Mulcahy  
Registration No. 25,326  
Attorney for Applicants

Correspondence Address:  
Patent Counsel  
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P.O. Box 450-A  
Santa Clara, California 95052